PCT

REQUEST

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.

For receiving Off	ice use only		
International Application No.CT/EP	2305 / 0 0 2 2 2 7		
(0 3. 03. 05) International Filing Date	0 3 MAR 2005		
EUROPEAN PATENT OFFICE POT INTERNATIONAL APPLICATION Name of receiving Office and "PCT International Application"			

o	Traine of receiving C	The and Tel memational Application		
	Applicant's or agent (if desired) (12 chara	e's file reference octers maximum) 040001FCIP		
Box No. I TITLE OF INVENTION Membrane electrode unit				
Box No. II APPLICANT This perso	on is also inventor			
Name and address: (Family name followed by given name; for a legal ent The address must include postal code and name of country. The country of t Box is the applicant's State (that is, country) of residence if no State of resider	the address indicated in th	n. Telephone No.		
Umicore AG & Co KG Rodenbacher Chaussee 4	Facsimile No.			
D-63457 Hanau-Wolfgang	Teleprinter No.			
DE	Applicant's registration No. with the Office			
State (that is, country) of nationality: DE	State (that is, countr	(y) of residence:		
This person is applicant for the purposes of: all designated states all designated the United States	ed States except States of America	the United States of America only the States indicated in the Supplemental Box		
Box No. III FURTHER APPLICANT(S) AND/OR (FURTI	HER) INVENTOR(S)		
Name and address: (Family name followed by given name; for a legal ent. The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of resident KOEHLER, Joachim Schmiedegasse 15b D-63584 Gruendau	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office			
State (that is, country) of nationality: DE	State (that is, country DE	y) of residence:		
This person is applicant for the purposes of: all designated all designated the United States	ed States except States of America	the United States of America only the States indicated in the Supplemental Box		
Further applicants and/or (further) inventors are indicated or	on a continuation sheet	i.		
Box No. IV AGENT OR COMMON REPRESENTATIVE	Box No. IV AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE			
The person identified below is hereby/has been appointed to act o of the applicant(s) before the competent International Authorities	as:	agent common representative		
Name and address: (Family name followed by given name; for a legal enti- The address must include postal code and name of ca	ty, full official designation country.)	Telephone No. 06181-59 2718		
STARZ, Karl Anton		Facsimile No.		
Umicore AG & Co KG	06181-59 4661			
Patente Postfach 1351	Teleprinter No.			
D-63403 Hanau-Wolfgang				
DE	Agent's registration No. with the Office EPO AV-Nr. 47260			
Address for correspondence: Mark this check-box where space above is used instead to indicate a special address to a	no agent or common rewhich correspondence	epresentative is/has been appointed and the should be sent.		

Continuation of Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S) If none of the following sub-boxes is used, this sheet should not be included in the request.				
Name and address: (Family name followed by given name; for a legal entity The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence GELZ, Markus Hanauer Landstrasse 22b D-63457 Hanau-Grossauheim	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office			
State (that is, country) of nationality: DE	State (that is, country, DE			
for the purposes of: States the United Sta	ates of America	the United States of America only the States indicated in the Supplemental Box		
Name and address: (Family name followed by given name; for a legal entity. The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence ZUBER, Ralf Valentin-Hock-Strasse 11 D-63762 Grossostheim	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office			
State (that is, country) of nationality: DE	State (that is, country, DE) of residence:		
This person is applicant all designated for the purposes of: all designated the United States	States except tes of America	the United States of America only the States indicated in the Supplemental Box		
Name and address: (Family name followed by given name; for a legal entity The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residenc	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office			
State (that is, country) of nationality:	State (that is, country)	of recidence		
	State (mar is, country)	of residence.		
This person is applicant for the purposes of: all designated the United States all designated the United States		the United States of America only the Supplemental Box		
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.) This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office				
State (that is, country) of nationality:	State (that is, country)	of residence:		
This person is applicant for the purposes of: all designated the United States all designated the United States		the United States the States indicated in of America only the Supplemental Box		
Further applicants and/or (further) inventors are indicated or	another continuation s	sheet.		

Sheet No. . . 3 . . .

Box No. V DESIGNATIONS					
The filing of this request constitutes under Rule 4.9(a), the designation of all Contracting States bound by the PCT on the international filing date, for the grant of every kind of protection available and, where applicable, for the grant of both regional and national patents.					
However,					
	esignated for any kind of nati	•			
	a is not designated for any ki	-			
	n is not designated for any k	•			
the national law, of an earlie	be used to exclude (irrevocaber national application from w s in these and certain other Si	hich priority is claimed. S	rned in order to avoid the See the Notes to Box No. V	ceasing of the effect, under as to the consequences of	
Box No. VI PRIORITY	CLAIM			_	
The priority of the following	earlier application(s) is hereb	oy claimed:			
Filing date	Number	V	Where earlier application	is:	
of earlier application (day/month/year)	of earlier application	national application: country or Member of WTO	regional application:* regional Office	international application: receiving Office	
item (1) 0 5 MRT 2004 (05.03. 2004)	04 005 219.3		EP		
item (2)					
item (3)					
Further priority claims	are indicated in the Suppleme	ntal Box.			
	ested to prepare and transmit to led with the Office which for to				
all items ite	em (1) item (2) item (3)	other, se	ee Supplemental Box	
* Where the earlier application Industrial Property or one M	on is an ARIPO application, in lember of the World Trade Or	ndicate at least one country ganization for which that e	party to the Paris Conve carlier application was fil	ntion for the Protection of ed (Rule 4.10(b)(ii)):	
D. N. NIE TAUDEDALAT	NONAL CRADOWING AUG	PYTODETY			
	TIONAL SEARCHING AUT				
international search, indicate	arching Authority (ISA) (if t the Authority chosen; the two	wo or more International S -letter code may be used):	earching Authorities are	competent to carry out the	
ISA / EPO					
Request to use results of earlier search; reference to that search (if an earlier search has been carried out by or requested from the International Searching Authority):					
Date (day/month/year)	Numb		try (or regional Office)		
02.09.2004		05 219.3 E	PO		
Box No. VIII DECLARATIONS					
The following declarations are contained in Boxes Nos. VIII (i) to (v) (mark the applicable Check-boxes below and indicate in the right column the number of each type of declaration): Number of declarations					
Box No. VIII (i) Declaration as to the identity of the inventor :					
Box No. VIII (ii)	Declaration as to the applic date, to apply for and be gr		e international filing	: 1	
Box No. VIII (iii)	 1				
Box No. VIII (iv)	Box No. VIII (iv) Declaration of inventorship (only for the purposes of the designation of the United States of America):				
Box No. VIII (v)	Declaration as to non-preju	adicial disclosures or excep	ptions to lack of novelty	:	

Box No. VIII (ii) DECLARATION: ENTITLEMENT TO APPLY FOR AND BE GRANTED A PATENT

The declaration must conform to the standardized wording provided for in Section 212; see Notes to Boxes Nos. VIII, VIII (i) to (v) (in general) and the specific Notes to Box No. VIII (ii). If this Box is not used, this sheet should not be included in the request.

Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent (Rules 4.17(ii) and 51bis.1(a)(ii)), in a case where the declaration under Rule 4.17(iv) is not appropriate:

In relation to this international application,

Umicore AG & Co KG, KOEHLER, Joachim, GELZ, Markus and ZUBER, Ralf are entitled to apply for and be granted a patent by virtue of the following:

- (i) KOEHLER, Joachim of Schmiedegasse 15b, D-63584 Gruendau, DE, GELZ, Markus of Hanauer Landstrasse 22b, D-63457 Hanau-Grossauheim, DE, and ZUBER, Ralf of Valentin-Hock-Strasse 11, D-63762 Grossostheim, DE, are the inventors of the subject matter for which protection is sought by way of this international application
- (ii) Umicore AG & Co KG is entitled as employer of the inventors KOEHLER, Joachim, Gelz, Markus and ZUBER, Ralf.
- (iii)This declaration is made for the purpose of all designations.

J	This declaration is continued	i on the	following sneet,	Continuation of	f Box No.	VIII	(11) ²	٠,
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Box No. IX CHECK LIST; LANGUAGE OF FILING				
This international application contains: (a) in paper form, the following number of sheets: request (including	This international application is accompanied by the following item(s) (mark the applicable check-boxes below and indicate in right column the number of each item): 1. fee calculation sheet	Number of items		
declaration sheets) : 5	2. original separate power of attorney	:		
description (excluding sequence listing and/or	3. original general power of attorney	:		
tables related thereto) : 12	4. copy of general power of attorney; reference number, if any:			
claims : 2 abstract : 1	5. Statement explaining lack of signature			
drawings :	6. priority document(s) identified in Box No. VI as	•		
Sub-total number of sheets : 20	item(s):	:		
sequence listing :	7. translation of international application into (language):	:		
tables related thereto (for both, actual number of	8. separate indications concerning deposited microorganism or other biological material	:		
sheets if filed in paper form, whether or not also filed in computer readable form;	9. sequence listing in computer readable form (indicate type and number of carriers)			
see (c) below)	(i) copy submitted for the purposes of international search under Rule 13ter only (and not as part of the international application)) :		
Total number of sheets : 20 (b) only in computer readable form	(ii) (only where check-box (b)(i) or (c)(i) is marked in left column) additional copies including, where applicable, the copy for the	, .		
(Section 801(a)(i)) (i) sequence listing	purposes of international search under Rule 13ter (iii) together with relevant statement as to the identity of the copy or	:		
(ii) tables related thereto	copies with the sequence listing mentioned in left column	:		
(c) also in computer readable form (Section 801(a)(ii))	10. tables in computer readable form related to sequence listing (indicate type and number of carriers)			
(i) ☐ sequence listing (ii) ☐ tables related thereto	(i) copy submitted for the purposes of international search under Section 802(b-quater) only (and not as part of the international application)			
Type and number of carriers (diskette, CD-ROM, CD-R or other) on which are contained the	(ii) (only where check-box (b)(ii) or (c)(ii) is marked in left column) additional copies including, where applicable, the copy for the purposes of international search under Section 802(b-quater)			
sequence listing:	(iii) together with relevant statement as to the identity of the copy or			
(additional copies to be indicated under items 9(ii) and/or 10(ii), in right column)	11. other (specify):	:		
Figure of the drawings which should accompany the abstract:	Language of filing of the international application: English			
Box No. X SIGNATURE OF APPLICAN	T. AGENT OR COMMON REPRESENTATIVE			
Next to each signature, indicate the name of the person signing and the capacity in which the person signs (if such capacity is not obvious from reading the request). Dr. Karl A. Starz Director IP Management Umicore AG & Co KG				
1. Date of actual receipt of the purported international application: 2. Drawings:				
international application:	(0.2 00 0-)	-		
3. Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application:				
4. Date of timely receipt of the required corrections under PCT Article 11(2):	not re	eceived:		
5. International Searching Authority (if two or more are competent): ISA / 6. Transmittal of search copy delayed until search fee is paid				
Date of receipt of the record copy by the International Bureau:				

This sheet is not part of and does not count as a sheet of the international application.

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FEE CALCULATION SHEET	<u> </u>
Annex to the Request	International Application No.
Applicant's or agent's file reference 040001FCIP	Date stamp of the receiving Office
Applicant Umicore AG & Co KG	
CALCULATION OF PRESCRIBED FEES	
1. TRANSMITTAL FEE	100.00 T
2. SEARCH FEE International search to be carried out by (If two or more International Searching Authorities are competent to international search, indicate the name of the Authority which is chothe international search.)	1,550.00 S c carry out the seen to carry out
3. INTERNATIONAL FILING FEE	i
Where items (b) and/or (c) of Box No. 1X apply, enter Sub-total numb Where items (b) and (c) of Box No. 1X do not apply, enter Total numb	per of sheets }
il first 30 sheets	<u> </u>
number of sheets in excess of 30 fee per sheet	j2
additional component (only if sequence listing and/or tables relate thereto are filed in computer readable form under Section 801(a)(i) or both in that form and on paper, under Section 801(a)(ii)): 400 x = fee per sheet Add amounts entered at i1, i2 and i3 and enter total at I (Applicants from certain States are entitled to a reduction of 75% of international filing fee. Where the applicant is (or all applicants are entitled, the total to be entered at I is 25% of the international filing fee.	902.00 1
4. FEE FOR PRIORITY DOCUMENT (if applicable)	30.00 P
5. TOTAL FEES PAYABLE	2,582.00 TOTAL
MODE OF PAYMENT	
authorization to charge deposit account (see below) postal money order car	ash Coupons
Cheque	
AUTHORIZATION TO CHARGE (OR CREDIT) DEPOSIT ACCOUNT This mode of payment may not be available at all receiving Offices)	renue stamps
Authorization to charge the total fees indicated above.	Deposit Account No.: 28 000 752
(This check-box may be marked only if the conditions for deposit accounts of the receiving Office so permit Authorization to the	Date: March 1, 2005
or credit any overpayment in the total fees indicated above. Authorization to charge the fee for priority document.	Name: Dr. Karl A. Starz
rm PCT/RO/101 (Annex) (January 2004)	See Notes to the fee calculation sheet